

URBAN DISTRICT



OF CLECKHEATON.

Annual Report

OF THE

MEDICAL OFFICER OF HEALTH

YEAR ENDED 31st DECEMBER, 1913.

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MEDICAL OFFICERS OF HEALTH.

CERTIFYING FACTORY SURGEON.

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STATISTICAL MEMORANDA, 1913.

Population 1913 (estimated)	...	12,940
Population 1911	...	12,867
Inhabited Houses at end of 1913	...	3,350
Density of Population	...	7.37
Acreage	...	1755 acres.
Births No.	...	265
Birth Rate	...	20.47
Deaths No.	...	165
Death Rate	...	12.75

OTHER DEATH RATES:—

Cancer...	...	85
Zymotic (Fever principal disease)	...	.61
Respiratory (excluding Phthisis)	...	1.70
Phthisis	...	.30
Infantile Mortality per 1,000 births...		83.0
Total Rainfall	...	27.40 inches.

VITAL STATISTICS FOR ENGLAND AND WALES.

ITEM.	England and Wales.	Great Towns. 96	Smaller Towns 145	England and Wales less the 241 towns.	Cleck-heaton.
Birth Rate ...	23.9	25.1	23.9	22.3	20.47
Death Rate ...	13.7	14.3	12.8	13.1	12.75
Zymotic Death Rate	1.20	1.5	1.2	0.80	0.61
Infantile Mortality... (per 1000 births)	109.0	117.0	112.0	96.0	83.0

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HEALTH OFFICE,

TOWN HALL,

CLECKHEATON,

February, 1914.

***To the Chairman and Members of the
Urban District Council of Cleckheaton.***

GENTLEMEN,

I have great pleasure in laying before you my Eighth Annual Report on the Health and Sanitary condition of the District for the year ending 31st December, 1913.

PHYSICAL FEATURES AND GENERAL CHARACTER OF THE DISTRICT.

The Urban District of Cleckheaton embraces an area of 1755 acres and is roughly triangular ; the sides about two miles in length. The population of the Cleckheaton Ward is principally at the Southern angle. Scholes is at the West and Oakenshaw at the North the intervening land being chiefly agricultural.

The surface is undulating with a general fall to the S.E.

The greater part of the district has a natural drainage to the Spen Beck and the remainder to Blacup Beck.

The Bed of the Spen is about 240 feet above sea level and the highest part of the District is near Westfield, where the elevation is 576 feet.

The industries carried on are of a very varied character, and this in a great measure contributes to its uniform prosperity, the chief of these is that of Worsted Spinning.

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Card Clothing Manufacture is also a most important industry and had its origin here. Cable and fine Wire Drawing has in recent years developed into a very considerable department of trade.

Ironfounding and Machine Making is extensively carried on.

Brace and Belt Manufacturing provides a good deal of employment.

Leather Currying, Chemical Manufactures, Motor Cycle and Art Printing Works are other trades that give employment.

Geologically the District is on the Coal Measures with Surface Clay and Shales.

The Coal Measures are hardly the best sites for building, as the clays are impervious and hold the water on the surface.

GENERALLY.—After the wet and cold of 1912, I might almost say 1913 was a glorious year. Sunshine in abundance and not too much rain. The Temperature was never excessive, and thus we escaped any outbreak of diarrhoea or similar complaints. Taken altogether, the year has been a healthy one, and the infantile mortality the lowest I have had to record. It is too early yet to know what will be the effect of the National Insurance Act. My experience so far is that every advantage has been taken of it, and it is to be hoped that the health of the district will be benefitted.

INFECTIOUS DISEASES.—The notification of these diseases was lower than last year and indeed below the average. Most of the cases were diphtheria and were scattered through the whole year, with greater incidence in April and October-November. The children effected mostly attended Moor End and Whitcliffe Road School. Owing to the reduced attendance, the Infant Department of the latter school was

closed at the end of November. Measles was prevalent in Scholes in the summer, and the school there also suffered with attendance. Scarlatina only accounts for 5 notifications compared with 55 the previous year. School attendance doubtless plays a part in the spread of infectious disease, but it is equally certain that there are other agencies such as the carelessness of many mothers. In the course of my visitation I found a child suffering from whooping cough had been taken to the Picture Palace the night previous to my visit, and when I spoke to the mother of the danger not only to the child but to others attending the place, her answer was "If I hadn't taken it then I could not have gone." During the summer most of the main roads were treated so as to prevent dust, and certainly a good measure of success attended the operation. The dust in the streets and roads is bad, but many yards that are only kept in repair with ashes add greatly to the difficulty of keeping a house clean. There are many yards that require attention and streets also. The work of converting privies into w.c's. goes on, but more rapid progress is very desirable. Difficulties are many, but the dangers are great in leaving them as they are. The drains have been well attended to and have been flushed when required. I have had no complaints of smells and I think a good deal is due to the efficient work of the Webb lamps, that have been erected at suitable points.

MILK SUPPLY.—I gather that the milk supply is not quite equal to the demand—and hence the temptation to increase it by adding water. Many of the samples that I have examined have had a rather large addition of that commodity. Gross impurities have not often been found, but microscopically a good deal has been found that should not be present. We have a long way to go before the treatment of our milk supply is what it should be. The milk keepers have much to do yet, but the consumer also has much to learn in the care of the article after it reaches the home. Five samples were examined bacteriologically but no trace of tubercle was found.

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The Notification of Births has been promptly carried out and the cases immediately attended to by the Nurse, whose care and attention I am sure has helped considerably in the reduction of the Infantile Death Rate. Appended will be found her report on her work in this direction.

PHTHISIS.—This is the second year the disease has been compulsorily notifiable and I have received 12 notifications compared with 9 the year before. Other Tubercular Diseases were this year required to be notified and I have received 12. One case was sent to a sanatorium but the woman, for some reason best known to herself stayed only a couple of days and returned home.

POPULATION.—The estimate at the middle of the year is 12940 and at the last Census was 12867. This population is distributed in the three Wards as follows :—

	1913.			1911.			
	Estimated.		Actual.		Males.		Females.
Cleckheaton ...	10550	...	10509	...	4849	...	5660
Scholes ...	1740	...	1721	...	866	...	855
Oakenshaw ...	650	...	637	...	307	...	330
	<u>12940</u>	...	<u>12867</u>	...	<u>6022</u>	...	<u>6845</u>

BIRTHS.—The total number of births registered during the year was 265, an increase of 35 on the preceding year. Of those infants, 135 were males and 130 females. The total birth rate was 20·47, an increase of 2·65 on 1912. The rate for the whole of England and Wales was 23·9 per thousand, and the ratios of the past ten years are as follows :—

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Year.		Number.		Rate per 1000.
1904	...	278	...	21·84
1905	...	278	...	21·72
1906	...	260	...	20·20
1907	...	267	...	20·64
1908	...	259	...	19·92
1909	...	253	...	19·35
1910	...	254	...	19·33
1911	...	230	...	17·87
1912	...	230	...	17·82
1913	...	265	...	20·47

The numbers and rates for each Ward for the past 6 years, are as follows :—

	NUMBER AND RATE PER 1000.					
	Cleckheaton.		Scholes.		Oakenshaw.	
1908.	216.	20·37.	34.	19·42.	9.	13·84.
1909.	198.	18·58.	43.	24·43.	12.	18·32.
1910.	207.	19·34.	35.	19·71.	12.	18·18.
1911.	179.	17·03.	40.	23·25.	11.	17·18.
1912.	199.	18·89.	19.	10·98.	12.	18·57.
1913.	209.	19·81.	42.	24·13.	14.	21·53.

ILLEGITIMACY.—The number of Illegitimate Births registered was 5, the same total as the previous year. This number is equal to a percentage of all births of 1·88.

QUARTERLY RETURNS OF BIRTHS.

		Males.		Females.		Totals.
First Quarter	...	37	...	34	...	71
Second	„	39	...	26	...	65
Third	„	27	...	43	...	70
Fourth	„	32	...	27	...	59
TOTALS	...	135		130		265

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DEATHS.—The total number of deaths registered in the district during the year was 155. 10 death of non-residents occurred. These have to be deducted. On the other hand I have notices of the deaths of 20 Cleckheaton residents who died out of the district. The corrected number therefore becomes 165, an increase of 3 on last year. Of these deaths 92 were males and 73 females.

QUARTERLY RETURNS OF DEATHS.

		Males.		Females.		Totals.
First Quarter	...	24	...	20	...	44
Second	,,	16	...	25	..	41
Third	,,	23	...	15	...	38
Fourth	,,	29	...	13	...	42
		—		—		—
TOTALS	...	92		73		165
		—		—		—

The total annual death rate is equal to 12·75, an increase of ·20 on the year before. The rate for England and Wales for the same period is 13·7, the lowest ever recorded.

COMPARATIVE TABLE FOR PAST TEN YEARS.

1904	1905	1906	1907	1908	1909	1910	1911	1912	1913
15·71	14·53	15·07	11·13	13·61	11·70	12·48	13·9	12·55	12·75

Average for 10 years, 13·34.

The separate numbers and rates for each ward for the last five years are as follows :—

	1913.	1912.	1911.	1910.	1909.
	No. Rate per	No. Rate per	No. Rate per	No. Rate per	No. Rate per
	1000	1000	1000	1000	1000
Cleckheaton	132 12·51	137 13·01	140 13·32	145 13·55	129 12 10
Scholes ...	26 14·93	19 10·98	28 16·27	16 9·01	17 9·65
Oakenshaw.	7 10·76	6 9·30	11 17·81	3 4·54	7 10·68

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INFANTILE MORTALITY.—The number of Infantile Deaths registered, i.e., of children under one year of age, was 22, a decrease of 5. This equals a percentage of all deaths of 13·33, a percentage of all births of 8·30, a total annual death rate of 1·70. The Infantile Mortality is therefore 83, this being the rate per 1000 births, as compared with 117·3 for last year, and with 109 for England and Wales.

RATES FOR THE PAST TEN YEARS.

1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1912.	1913.
158·2	136·5	130·7	89·8	115·0	102·7	133·8	121·7	117·3	83·0

On analysing the figures, we get the following results :—

	1913.	1912.	1911.	1910.	1909.	1908
Premature Birth and Deficient Vitality at Birth ...	8	15	7	9	9	6
Bronchitis ...	0	1	2	5	2	7
Diarrhœa ...	4	0	1	1	0	3
Meningitis ...	0	1	2	1	0	3
Convulsions ...	2	0	5	11	5	3
Tuberculosis ...	1	1	2	3	0	0
Whooping Cough ...	0	0	0	3	1	1
Measles ...	0	1	1	0	0	0
Other Diseases ...	7	8	8	1	9	7
TOTAL ...	22	27	28	34	26	30

The Infantile Mortality Rate is the lowest I have had to record. 22 Deaths out of 265 Births, equal to a mortality of 83 per 1000 births. The principal cause of death is premature birth. Diarrhœa accounts for 4 Deaths. The splendid work of the Visiting Nurse has certainly conduced to the best result we have had.

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Over one year and under five years of age the number of deaths was 12, a decrease of 2. This gives a percentage of all deaths of 7·27, a percentage of all births of 4·52, and a total annual death rate of ·92. The total number of deaths therefore of children under 5 years of age was 34, a decrease of 7 on the previous year. This number is equal to a percentage of all deaths of 20·60, to a percentage of all births of 12·83, and a total annual death rate of 2·62, as compared with 3·17 in 1912, 2·85 in 1911, 3·80 in 1910, 2·52 in 1909, 3·23 in 1908, 2·70 in 1907, 5·36 in 1906, and 3·97 in 1905.

TABULAR STATEMENT OF DEATHS AT ALL AGES FOR THE LAST 8 YEARS.

Age	0-1	1-2	2-5	5-15	15-25	25-45	45-65	65 and upwards
1913 ...	22	5	7	9	7	18	48	49
1912 ...	27	6	5	3	12	13	43	53
1911 ...	28		9	9	8	65		60
1910 ...	34		16	5	2	61		46
1909 ...	26		7	3	4	62		51
1908 ...	30		12	10	11	59		55
1907 ...	24		11	5	5	38		61
1906 ...	34		36	19	10	49		56
1905 ...	38		12	8	14	59		57

SENILE MORTALITY.—The total number of deaths over 70 was 37, an increase of 3. Of these, 17 were males and 20 females. The combined ages equal 2852 years, or an average of 77. The oldest inhabitants who died were a female aged 89, and a male aged 92.

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CAUSES OF DEATHS.

ZYMOTIC DISEASES.—From Zymotic Diseases 8 deaths occurred, an increase of 3 from last year.

DISEASE.	1913.			1912.			1911.		
	No. of Deaths	Per-centage of all Deaths	Death Rate for 1913	No. of Deaths	Per-centage of all Deaths.	Death Rate for 1912	No. of Deaths	Per-centage of all Deaths	Death Rate for 1911
Small Pox ...	0	—	—	0	—	—	—	—	—
Measles ...	3	1·81	·23	2	1·23	·15	1	0·55	0·08
Scarlet Fever ...	0	—	—	0	—	—	0	—	0·00
Diphtheria ...	0	—	—	2	1·23	·15	3	1·67	0·23
Whooping Cough	1	·60	·07	1	·61	·07	0	—	0·00
Enteric Fever ...	0	—	—	0	—	—	1	0·55	0·08
Diarrhoea ..	4	2·42	·30	0	—	—	3	1·67	0·23
TOTALS ...	8	4·84	·61	5	3·07	0·37	8	4·44	0·62

These 8 deaths are equal to a percentage of all deaths of 4·84, and to a total annual death rate of ·61. In 1912, the rate was ·37. For the year 1913, the rate for England and Wales was 1·20.

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MORTALITY FROM SOME OTHER DISEASES.

DISEASE.	No. of Deaths	Per cent. of all Deaths	Death Rate for 1913	No. of Deaths	Per cent. of all Deaths	Death Rate for 1912	No. of Deaths	Per cent. of all Deaths	Death Rate for 1911	No. of Deaths	Death Rate for 1910
Phthisis... ..	4	2.42	.30	9	5.55	.69	5	2.79	0.38	6	0.45
Disease of Res- piratory Organs	22	13.33	1.70	18	11.10	1.54	17	9.49	1.32	27	2.05
Heart Disease ...	23	13.93	1.77	20	12.34	1.54	22	12.28	1.70	29	2.20
Bright's Disease..	5	3.03	.38	4	2.46	.30	0	0.00	0.00	1	0.07
Influenza	—	—	—	1	.61	.07	3	1.67	.23	1	0.07
Cancer	11	6.66	.85	9	5.55	.69	20	11.17	1.55	9	0.68
TOTALS	65	39.39	5.02	61	37.61	4.83	67	37.40	5.18	73	5.52

PHTHISIS.—The number of Notifications was 12, and the Deaths 4, the lowest for many years. This year Notification of other forms of Tubercular Diseases were required, and 16 were received. A Tuberculosis Dispensary has been opened at Dewsbury, where Pulmonary Cases and Contacts may get advice and treatment. The hours of attendance are 2 p.m. to 6 p.m. on Mondays and Thursdays.

Our Death Rate is low, and by continued efforts in teaching the people the necessity of avoiding overcrowding and allowing as much sunshine and fresh air into bedrooms as possible—care in the disposal of tubercular sputum—refraining from indiscriminate spitting—it would be lower still.

Again during the summer season I made a larger series of observations between 10 and 12 a.m., and out of 1500 bedroom windows, I only found 99 open. In the early morning between 2 and 5 a.m. I made a further series of 500, and then found only 15 open. Fresh air is the only necessary of life for which no charge is made. We have to pay for food, water, etc., but fresh air may be had free—possibly that is why it is so little thought of.

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CANCER has caused 11 deaths, compared with 9 last year, 4 of the 11 were above 65.

The number of Inquests held during the year, was 9, as compared with 12 in 1912, 5 in 1911, 10 in 1910, 7 in 1909, 9 in 1908, 4 in 1907, 6 in 1906, and 8 in 1905. 2 were cases of suicide, 2 accidents, and the others various diseases.

MORTUARY.—The mortuary has been used 3 times during the year, and on 2 of the occasions post mortem examinations were performed. Exactly the same as in 1912.

DISPOSAL OF THE DEAD.—45 Interments have taken place in the Cemetery in Whitechapel Road during the year. Total since its opening, 263.

SANITARY ADMINISTRATION.

NOTIFICATION OF INFECTIOUS DISEASES.—The Notifications of Infectious Diseases received number 42, as compared with 69 in 1912, 54 in 1911, 35 in 1910, 17 in 1909, 47 in 1908, 50 in 1907, 147 in 1906, 105 in 1905, 99 in 1904, and 125 in 1903. The diseases were—Scarlatina 5, Diphtheria 29, Enteric Fever 2, Erysipelas 5, Puerperal Fever 1. Of these notifications 25 occurred in back-to-back houses, and 17 in through houses. There were also 12 notifications of Pulmonary-tuberculosis, and also 16 other forms of Tubercular disease.

REMOVAL PERCENTAGE FOR PAST EIGHT YEARS.

1906	1907	1908	1909	1910	1911	1912	1913
83·8%	76·08%	81·08%	87·5%	81·81%	96·07%	98·38%	97·22%

HOSPITAL ACCOMMODATION.—The North Bierley Joint Hospital received all the cases and they received every attention there.

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The Small Pox Hospital is kept ready for immediate use, but fortunately it has not been required, During the year it has been thoroughly overhauled.

SANITARY WORK.—Taken from form 572

CLASS OF BUILDING.	NO.	SANITARY CONDITION.
Common Lodging House	0	
District Council's Slaughter-house..	1	Good
Private Slaughter-houses	11	do.
Workshops	65	Clean and not overcrowded
Workplaces	18	do. do.
Bakehouses	19	All in satisfactory condition
Fried Fish Shops	13	do. do.
Cowsheds	30	Very moderate
Offensive Trades	0	

INSPECTION WORK.

	1913	1912	1911	1910	1909	1908	1907
Houses Inspected ...	162	300	240	200	190	150	160
Factories	400	350	200	250	200	150	180
Privy Middens removed	26	52	48	13	41	12	32
Earth Closets erected...	0	0	4	0	3	0	19
Water Closets erected ...	52	81	59	76	74	69	26
Waste Water Closets erected	0	4	0	0	0	6	1
Drains, &c., Flushed (using 91,700 gallons of water)	96	187	138	171	161	168	150
Air Shafts erected ...	4	21	15	14	10	10	10

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DISTRIBUTION AND COMPARATIVE STATEMENT.
FOR THE PAST FOUR YEARS.

WARD.	Scarlatina.				Enteric Fever				Small Pox				Erysipelas				Diphtheria			
	1913	1912	1911	1910	1913	1912	1911	1910	1913	1912	1911	1910	1913	1912	1911	1910	1913	1912	1911	1910
Cleckheaton	4	10	30	12	1	2	4	4	0	0	0	0	5	5	2	1	26	5	13	1
Scholes	0	15	4	14	1	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0
Oakenshaw	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
TOTALS.	5	55	34	28	2	2	4	4	0	0	0	0	5	6	3	2	29	6	13	1

TABLE OF CASES SENT TO HOSPITAL.

WARD.	Scarlatina				Small Pox				Enteric Fever				Diphtheria			
	1913	1912	1911	1910	1913	1912	1911	1910	1913	1912	1911	1910	1913	1912	1911	1910
Cleckheaton	4	39	29	9	0	0	0	0	1	2	3	2	26	5	13	1
Scholes	0	15	4	13	0	0	0	0	1	0	0	0	0	0	0	0
Oakenshaw	0	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0
TOTALS.	4	54	33	24	0	0	0	0	2	2	3	2	29	5	13	1

The 5 Erysipelas cases and the Puerperal Fever case were not eligible for hospital treatment. Of the remaining 36 cases 35 or 97·22 per cent. were promptly removed to hospital. The only case not removed was one of Scarlatina from Oakenshaw.

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I would recommend that after an air shaft has been in use for two years it should be opened and cleared out, as it is found that after that period they are apt to be at least partially blocked.

HOUSE ACCOMMODATION.—4 new houses have been built and certified for occupation during the year. All are through houses, and are provided with W.C's.

BACTERIOLOGICAL ANALYSES.—During the year 137 specimens were forwarded to the West Riding Laboratory at Wakefield, viz.:—Blood for Enteric Fever 11; Throat Swabs for Diphtheria 105; Sputum Tuberculosis Bacillus, 16; Milk, 5.

SCAVENGING.—This work carried out by the Council's staff has been on the whole satisfactory.

It would be a much needed improvement if more of the larger privy middens could be emptied during the night or early in the morning when there are few people about.

SEWERAGE.—The new system of sewage disposal for Oakenshaw Ward is now completed and is working satisfactorily.

SMOKE NUISANCE.—I regret that the smoke nuisance is as great as ever and it seems almost impossible to get it reduced. Many complaints have been received about fumes from the Chemical Works at Moorend and promise of amendment has been given by the owners.

DESTRUCTION OF REFUSE.—The Refuse Destructor continues to do good work, and figures relating to it will be found in the Sanitary Inspector's report.

OTHER STATISTICS.

HORSE AMBULANCE.—The Horse Ambulance has been used on 10 occasions for accidents and 31 times for the removal of invalids a total of 41 times for the year. From the 3rd September, 1897, to date, it has been out on service 429 times, 141 for accidents and 288 for invalids.

VACCINATION.—By the courtesy of the Vaccination Officer, I have been enabled to tabulate the following figures—

		1913	1912	1911	1910	1909	1908
Infants registered	... ..	265	230	230	254	253	259
„ Vaccinated at end of year...		51	54	32	47	83	102
„ Deceased prior to possibility of Vaccination	... ..	9	27	16	14	12	16
Postponements, Removals and Unvaccinated	... ..	43	25	59	74	28	37
Certificates of Conscientious Objections	162	124	123	119	130	104
TOTALS	265	230	230	254	253	259

This table speaks for itself.

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RAINFALL FOR PAST FOUR YEARS.

TEMPERATURE.

Month.	1913	1912.	1911	1910	1913		1912		1911		1910	
	in.	in.	in.	in.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
January..	3.32	3.87	1.20	4.29	50	24	49	19	48	27	50	13
February	1.28	2.31	2.39	3.34	48	26	53	16	52	22	49	30
March ...	4.07	3.52	1.18	0.43	52	26	55	31	53	31	54	30
April ...	2.82	.81	1.16	2.48	59	31	64	30	59	27	56	27
May ...	2.65	3.22	1.16	2.01	72	37	66	41	73	33	68	35
June ...	1.57	5.30	2.70	4.34	76	45	70	45	75	40	74	44
July ...	.95	3.35	0.85	2.60	67	44	74	48	83	44	70	44
August...	1.06	6.86	1.57	3.39	73	44	61	42	83	48	68	48
Sept. ...	1.77	1.91	2.89	0.18	69	42	62	38	73	43	66	39
October...	2.19	3.55	2.53	1.98	60	35	57	31	55	28	66	37
Nov. ...	2.99	2.20	3.36	4.45	52	32	53	24	52	30	48	26
Dec. ...	2.73	3.07	3.68	2.96	48	22	51	28	50	31	48	28
	27.40	39.97	24.67	32.45								

FACTORY ACT ADMINISTRATION.—Appended are figures and details of the Administration of this Act.

**FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES
and HOMEWORK.**

1.—INSPECTION.

*Including inspections made by Sanitary Inspectors or Inspectors
of Nuisances.*

PREMISES.	NUMBER OF		
	Inspec- tions.	Written Notices.	Prosecu- tions.
Factories (Including Factory Laundries) ...	250	Nil	Nil
Workshops (Including Workshop Laundries) ...	120	Nil	Nil
Workplaces (Other than Outworkers' premises included in Part 3 of this Report)	20	Nil	Nil
TOTAL	390	Nil	Nil

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2.—DEFECTS FOUND

PARTICULARS.	No. of Defects.			Number of Prosecutions.
	Found.	Remedi'd	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Act:</i>				
Want of Cleanliness ...	10	10		
Want of Ventilation...	15	15		
Overcrowding ..	0	0		
Want of drainage of floors ...	2	2		
Other Nuisances ...	0	0		
Sanitary Accommodation—				
Insufficient ...	1	1		
Unsuitable or defective ...	0	0		
Not separate for sexes ...	0	0		
<i>Offences under the Factory and Workshop Act:</i>				
Illegal Occupation of under-ground bakehouse (s 101) ...	1	1		
Breach of Special sanitary requirements for bakehouses (s.s. 97 to 100) ...	1	1		
Other Offences ...				
TOTAL ...	30	30		

3.—REGISTERED WORKSHOPS.

Workshops on the Register (s 131) at end of year.	Number.
Workshops ...	65
Bakehouses ...	19
Workplaces ...	18
Total number of Workshops on Register ..	102

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4.—OTHER MATTERS.

CLASS.	Number.
Matters notified to H.M. Inspector of Factories ...	
Failure to affix abstract of the Factory and Workshop Act (S. 135)	Nil
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5) :	
Notified by H.M. Inspector	Three
Reports of action taken sent to H.M. Inspector	Three
Other matters	Nil.
Underground Bakehouses (S. 101) :	Nil.
Certificates granted during the year	Nil.
In use at the end of the year	Nil.

TABLE C, 1913.

CLECKHEATON SANITARY DISTRICT.

WATER SUPPLY.—

Any developments during 1913? 3in. main throughout Scholes scraped.

Any insufficiency, and where? No.

Any curtailment? No.

Did any wells fail and where? None used.

Any unsatisfactory quality, and where? No.

Any un-checked plumbo-solvent action? No.

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DRAINAGE AND SEWERAGE.—

Any developments during 1913? No.

Developments still needed as to—

(a) Want of Sewers? Short length at Westfield.

(b) Improvement of defective sewers? All in good order.

Any inadequacy of Sewage Disposal Works or complaints as to smells? No.

No. of sink-wastes disconnected during 1913? A few.

Trapped? A few.

Proportion of sink-wastes still needing disconnection? Practically none.

Untrapped? Practically none.

CLOSET ACCOMMODATION.—

No. of Privies with open middens? 131

No. of Privies with covered middens? 593.

No. of Pail or Tub Closets? 9.

No. of Water Closets? 1334.

Waste-water Closets? 326.

No. of Privies re-constructed during 1913—

(a) w.c.'s? 8. (b) other? None.

No. of additional Closets provided for old property in 1913—

(a) w.c.'s? 40. (b) other? None.

No. of Closets constructed in 1913 for new houses—

(a) w.c.'s? 4. (b) other? None.

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SCAVENGING.—

How is refuse disposed of—

(a) Destructor? 4240 loads. (b) Tips? 44.

(c) Farmers? 674 loads. Total Annual Cost? £819 15s. 5d.

Is there any inadequacy, and where? No.

Any change during 1913? No.

NUISANCE INSPECTIONS.—

Total No. of Inspections made in 1913? 1213.

Informal Notices served? 110.

Statutory Notices served? 47 (5 of which were renewals).

Complied with? 43.

Total Number of Nuisances in hand at close of 1912? 11

At close of 1913? 10.

Total Number of Nuisances reported during 1913? 83.

Abated during 1913? 83.

Total No. of Summonses or other legal proceedings? None.

Regulated Buildings, Trades, &c.	No. in District.
Common Lodging Houses	None
Canal Boats	None
Knackers Yards	None
Offensive Trades	None

Have the Council declared any other processes to be offensive trades. e.g., Fish-frying, Maggot-breeding, etc.? No.

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SCHOOLS.—

No. of Elementary Schools in District? 9.

No. of Visits to Schools? 36.

Action taken? Whitcliffe Road Infants, closed for Diphtheria.
All schools fumigated.

MILK SUPPLY.—

No. of samples taken by Officers of S.A. for analysis under F. & D. Acts? None. No. adulterated? None.

No. of samples taken by Officers of S.A. for bacteriological examination? 5.

What arrangements for Veterinary Inspection of Dairy Cows?
Veterinary Surgeon called in when required.

No. of animals notified by Police under Tuberculosis Order, 1913?
None.

Any action thereon by S.A., *e.g.*, to ascertain if cowsheds affected
were satisfactory? ———

Any instance of disease attributed to milk in 1913? No.

No. of Cowkeepers in district? 30. No. registered? 30.

No. of Milk Sellers who are also Cowkeepers? 30.

No. who are purveyors only? 24. Total No. Registered? 32.

Total No. of Cowsheds? 35.

No. of Inspections in 1913? 70.

General Condition? Very moderate.

Approximate No. of Milch Cows in District? 188

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Any insufficiency in Milk Supply? Yes.

Legal Proceedings under D.C.M. Orders? None.

Any Inspection or other action by Districts to which Milk is sent? No.

OTHER FOODS.—

No. of samples (other than Milk) taken by Officer of S.A. for examination under the Food and Drugs Act? None.

No. Adulterated? None.

No. of seizures of unsound Food? None.

No. of Slaughter houses? 11. No. registered? 11.

Kind and Condition? 1 Public and 10 Private. Fairly Good.

No. of Prosecutions—

(a) Food and Drugs? None. (b) Unsound Food? None.

(c) *re* Slaughter Houses? None.

HOUSING—

Houses with defects not disposed of during 1912 :—

Houses not reasonably fit for human habitation. (Section 15)? 155.

Houses inspected under the Act and Regulations in 1913; (81 of which were re-inspections)? 169.

Houses found satisfactory on inspection? 7.

Action under Section 15 :—

Houses found not reasonably fit for human habitation (including 81 re-inspections)? 162.

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Houses for which notices were given to execute works ? (including 81 renewals) 162.

Houses in respect of which notices were satisfactorily complied with ? 172.

Houses in respect of which the local Authority executed or were executing works in default of landlord ? 50.

Houses with defects not disposed of at end of 1913 :—

Houses not reasonably fit for human habitation. (Section 15) 64.

Other action in regard to Housing :—

Any scarcity of houses, if so, where ? Yes.

Number of new Houses built during 1913 (a) Working class dwellings ? 4. (b) Other ? None.

Questions in Housing Return to which the answers were " Nil " have been omitted.

FACTORIES AND WORKSHOPS—

Any Smoke Nuisance, and where ? All over District.

No. of Smoke observations taken ? None.

No. of Cautions ? None. Legal Notices ? None.

Summonses ? None.

ADOPTIVE ACTS—

Acts adopted during 1913 ? None.

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BYELAWS AND REGULATIONS—

Any adopted during 1913? Baths and Washhouses ; Parks and
Pleasure Grounds.

Are any other Byelaws needed? No.

INFECTIOUS AND OTHER DISEASES ?

What Diseases have been specially prevalent in 1913 ? Diphtheria.

What special action to combat same ? All removed to Hospital.

Is Hospital accommodation adequate and sufficient ? Yes.

What arrangement for the supply of antitoxin ? Supply kept at
Town Hall.

Any diseases specially added to notifiable List ? No.

Any influences threatening the health of the District ? No.

SPECIAL REPORTS AND INVESTIGATIONS.—

Fumes from Chemical Works.

TUBERCULOSIS.—

Inspection of patients' home and workshop ? Yes.

Examination for Contacts ? Yes.

Disinfection ? Yes.

Distribution of advice leaflets ? No.

Action *re* spitting ? No.

Shelters provided ? No

Is sputum examined ? Yes.

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BACTERIOLOGY—

Is County Laboratory utilized ? Yes.

Any suggestions ? No.

INFANT MORTALITY—

What organised effort to control it ? Nurse s visits and leaflets.

Has Notification of Births Act, 1907, been adopted ? Yes.

Is Health Visitor appointed by S.A. ? Yes.

By other body ? In conjunction with Nursing Association.

Causes of any excessive infant mortality in 1913 ? None.

VITAL STATISTICS—

Births during 1913—Males, 135, Females, 130, Total 265.

No. illegitimate included in above ? 5.

No. of Still Births (not included) ? None.

Deaths during 1913—(1) Gross Deaths, *i.e.*, Total actually registered in the district without any correction ? 155.

(2) Nett Deaths on which the rates are calculated ? Males, 92, Females, 73 ; Total 165.

No. of Uncertified Deaths (included above) ? None.

MISCELLANEOUS—

Mean Temperature for 1913 ? 47 deg.

Rainfall ? 27·40 in.

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What Mortuary accommodation—

(a) for accidents ? Council's Mortuary.

(b) for infectious cases other than at Hospital ? Nil.

No. of Burial Grounds ? 6.

Any need for extension ? No.

Are there any Maggot breeding establishments in District ? No.

SANITARY STAFF.—

What is the present Annual Salary of the M.O.H. ? £60.

Name of Sanitary Inspector ? Alfred Holdroyd.

Annual Salary as Inspector ? £86.

Other appointments held ? Market Inspector.

Salary for such other appointments ? £26.

Any assistants ? Occasionally.

Is staff sufficient ? Yes.

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TABLE I.

Vital Statistics of whole District during 1913 and previous years.

Year	Population estimated to Middle of each year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
		Un- corrected Number,	Nett.		Number.	Rate.	of Non- residents registered in the District.	of Resi- dents not registered in the District.	Under 1 year of Age		At all Ages.	
			Number.	Rate.					Number.	Rate per 1000 Nett Births. 11	Number.	Rate.
1		3	4	5	6	7	8	9	10		12	13
1908	13000	259		19.92	177	13.61			30	115.8	179	13.61
1909	13070	253		19.35	156	11.93			26	102.7	153	11.70
1910	13135	254		19.33	165	12.56			34	133.8	164	12.48
1911	12870	230		17.87	173	13.44	6	12	28	121.7	179	13.90
1912	12905	230		17.82	160	12.39	6	8	27	117.3	162	12.55
1913	12940	265		20.47	155	11.20	10	20	22	83.0	165	12.75

Area of District in acres (land and inland water) ... 1755.
Total population at all ages, 12867 (1911 Census) Number of inhabited houses ... 3244.
Average number of persons per house ... 3.96.

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TABLE II.

**Cases of Infectious Diseases Notified
during the Year 1913.**

NOTIFIABLE DISEASE	No. of Cases Notified.							Total Cases notified in each locality.			Total Cases removed to Hospital
	At all Ages.	At Ages—Years.						Cleekheaton	Scholes	Oakenshaw	
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65					65 & up
Small Pox											
Cholera											
Plague											
Diphtheria (including Membranous croup)	29		5	24				26	0	3	29
Erysipelas	5				1	1	3	5	0	0	0*
Scarlet Fever	5			5				4	0	1	4
Typhus Fever											
Enteric Fever	2				2			1	1	0	2
Relapsing Fever											
Continued Fever											
Puerperal Fever	1				1			1	0	0	0*
Cerebro-spinal Meningitis											
Poliomyelitis											
Pulmonary Tuberculosis	12				3	5	4	10	2	0	0
Other forms of Tuberculosis	16		2	4	4	5	1	15	1	0	0
TOTALS	70	0	7	33	11	11	8	62	4	4	35

* Not Eligible.

Isolation Hospital:—North Bierley Joint Hospital, Cleekheaton.

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TABLE III.

Causes of, and Ages at Death during 1913.

CAUSES OF DEATH. 1	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District.				
	All Ages. 2	Under 1 year. 3	1 and under 2 years. 4	2 and under 5 years. 5	5 and under 15 years. 6
All causes—Certified	165	22	5	7	9
Uncertified					
Enteric Fever					
Small Pox					
Measles	3			3	
Scarlet Fever					
Whooping Cough	1	1			
Diphtheria and Croup					
Influenza					
Erysipelas					
Phthisis (Pulmonary Tuberculosis)	4				
Tuberculous Meningitis...					
Other Tuberculous Diseases ...	6	1	1	1	1
Cancer, malignant disease ...	11				
Rheumatic Fever	1				1
Meningitis	1				1
Organic Heart Disease	23				
Bronchitis	5				
Pneumonia (all forms)	17	1		2	2
Other diseases of respiratory organs					
Diarrhoea and Enteritis	4	4			
Appendicitis and Typhlitis ...	1				
Cirrhosis of Liver	1				
Alcoholism	1				
Nephritis and Bright's Disease ...	5				1
Puerperal Fever					
Other accidents and diseases of	1				
Pregnancy and Parturition ...					
Congenital Debility and Malform-	8	8			
ation including Premature Birth					
Violent Deaths excluding Suicide..	3		1		
Suicide	2				
Other Defined Diseases	67	7	3	1	3
Diseases ill-defined or unknown ...					
All causes	165	22	5	7	9
SUB-ENTRY.—Pneumonia ...	7			1	2

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Table III.—Continued.

Causes of and Ages at Death during 1913.

CAUSES OF DEATH.	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District.				Total Deaths whether "Resident" or "Non- Residents" in Institutions in the District,
	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 years and upwards.	
	7	8	9	10	11
All causes—Certified	7	18	48	49	8
Uncertified					
Enteric Fever					3
Small Pox					
Measles					
Scarlet Fever					1
Whooping Cough					
Diphtheria and Croup					1
Influenza					
Erysipelas					
Phthisis (Pulmonary Tuberculosis).		2	2		
Tuberculous Meningitis					
Other Tuberculous Diseases		1	1		
Cancer, malignant disease		2	5	4	
Rheumatic Fever					
Meningitis					
Organic Heart Disease		2	14	7	
Bronchitis			1	4	
Pneumonia (all forms)	2	2	6	2	2
Other diseases of respiratory organs					
Diarrhoea and Enteritis					
Appendicitis and Typhlitis		1			
Cirrhosis of Liver				1	
Alcoholism		1			
Nephritis and Bright's Disease		1	1	2	
Puerperal Fever					
Other accidents and diseases of Pregnancy and Parturition		1			
Congenital Debility and Malforma- tion, including Premature Birth					
Violent Deaths, excluding Suicide...			2		
Suicide			2		
Other Defined Diseases	5	5	14	29	1
Diseases ill-defined or unknown					
All causes	7	18	48	49	8
SUB-ENTRY—Pneumonia	2	1	3		

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TABLE IV.

Infantile Mortality during the year 1913.

Nett Deaths from stated causes at various ages Under 1 Year of age.

CAUSES OF DEATH.		Under 1 week	1-2 weeks	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	1-3 months.	3-6 months.	6-9 months.	9-12 months.	Total Deaths under 1 year.
All Causes—Certified	...										
Uncertified	...										
Small Pox	...										
Chicken Pox	...										
Measles	...										
Scarlet Fever	...										
Whooping-Cough	...										
Diphtheria and Croup	...										
Erysipelas	...										
Tuberculous Meningitis	...										
Abdominal Tuberculosis	...										
Other Tuberculous Diseases	...							1			1
Meningitis (not Tuberculous)	...										
Convulsions	...						1	1			2
Laryngitis	...										
Bronchitis	...										
Pneumonia (all forms)	...							1	1		2
Diarrhœa	...							2	1		3
Enteritis	...							1			1
Gastritis	...										
Syphilis	...										
Rickets	...										
Suffocation, overlying	...										
Injury at Birth	...										
Atelectasis	...										
Congenital Malformations	...										
Premature Birth	...	7			1	8					8
Atrophy, Debility & Marasmus	...							2			2
Other Causes	...				1	1	1	1			3
TOTALS	...	7	0	0	2	9	2	9	2	0	22

Nett Births } Legitimate, 260.
in the Year. } Illegitimate, 5.

Nett Deaths in } Legitimate Infants, 20.
the year } Illegitimate Infants, 2.

Table showing Population. Births, etc., in some of the West Riding towns from which Returns were received.

TOWN.	POPULA- TION. 1913.	BIRTHS.		DEATHS.		Zymotic Death Rate.	Phthisis Death Rate.	Respira- tory Diseases Death Rate.	Infan- tile Death per 1000	No. of Notifications Received.
		No.	Rate per 1000	No.	Rate per 1000					
Batley...	36775	852	23.1	517	14.0	1.0	.5	2.1	115.0	265. P. 78 ; others 44.
Birstal	7117	141	19.44	114	15.74	.16	.41	—	113.0	36.
Brighouse	20960	—	17.79	—	13.55	.42	1.86	3.43	67.	138 and Tuberculosis 69.
Heckmondwike...	9100	216	23.7	155	17.0	1.4	.7	2.1	120.0	57. P. 13; others 3.
Liversedge ^(1912 figures) ...	14796	323	21.8	214	14.4	2.7	.48	2.29	117.6	144.
Mirfield	11784	237	20.1	149	12.6	.08	.50	1.10	88.0	35 and Tuberculosis 24.
Pudsey	14060	280	19.9	216	15.1	.7	.85	2.0	146.	72 and 33.
Gomersal	3835	83	21.64	53	13.82	.52	.52	.52	96.0	10 and (7 and 1).
CLECKHEATON ...	12940	265	20.47	165	12.75	.61	.30	1.70	83.0	42 and 28 (12 and 16).

JOHN A. SUTHERLAND, M.B., C.M.,

MEDICAL OFFICER OF HEALTH.

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Cleckheaton District Nursing Association.

REPORT of Infant Visiting for 12 months ending Dec. 31st, 1913.

Number of babies visited	...	...	244
Total number of visits	...	...	1852
Deaths under 1 year of age	...	...	16
Left the district	...	...	17

The visiting of infants goes on happily, and becomes more popular and appreciated as time goes on and all cases are seen. Mothers generally look forward with interest and pleasure to the nurse's expected visit; the baby's father is occasionally (if at home) an attentive and questioning listener to the little bits of information, advice or suggestion for the newcomers' welfare. Grandmothers are sometimes more sceptical about present day methods, and if opportunity occurs, are apt to explode their superior knowledge of babies in the ears of the "scientific machine" who sets herself up (they say) in a bonnet and cloak to teach them "what knows better."

It is sad to find so many mothers who undervalue the choicest gifts of motherhood, depending on artificial food for their babies, in place of that which nature has provided. Less than half (about 48%) of the Cleckheaton babies are entirely breast fed. Many mothers have not sufficient confidence in their own power as food providers; others neglect themselves and their power for trivial reasons. In both cases it is lost for want of proper use. Very seldom is a young baby found to be underfed. Mothers generally are over anxious and feed the child too frequently; or they imagine that milk is not "solid" enough

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to satisfy the child's hunger. Many babies are ill from being fed on bread, sago, cornflour, arrowroot, and other indigestible foods during the first few months of life. Thrush and other ailments are common where dummy teats are in use ; where feeding bottles are not kept perfectly clean ; and where milk is left standing uncovered to attract dust and flies.

Light and fresh air for babies are not appreciated by parents as much as is needful. Very few babies have a separate sleeping place at night. Many sleep with their parents and no ventilation in the sleeping room.

Woollen underclothing would be much better for babies than the cold, thin cotton garments which so many children wear from birth.

Thanks are again due to the Whitcliffe Mount School Old Scholars, for the supply of knitted vests and flannels for babies. These have been sold at cost price to several poor mothers for their babies and are much appreciated.

The Cleckheaton Guild of Help have supplied nourishment to needful cases.

E. A. SPENCER, A. R. San. I.,

Queen's Nurse.

URBAN DISTRICT



OF CLECKHEATON.

Annual Report

OF THE

INSPECTOR OF NUISANCES.

YEAR ENDED 31st DECEMBER, 1913.

ALFRED HOLDROYD,

INSPECTOR OF NUISANCES.

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1913.

INSPECTOR OF NUISANCES ANNUAL REPORT.

HEALTH OFFICE,

TOWN HALL,

CLECKHEATON,

February, 1914

***To the Chairman and Members of the
General Purposes Committee.***

GENTLEMEN,

I beg to submit to you my report for the year ending December 31st, 1913.

REMOVAL OF REFUSE.

During the year 4654 loads of refuse were removed from ash-pits, dustbins, etc., in the Cleckheaton and Scholes Wards, 4240 loads of which were carted to the Council's Destructor, 393 loads on to local farms and 21 loads to the Council's Tip.

From Oakenshaw Ward there were carted 304 loads, of which 281 loads were carted on to farms in the Ward and 23 loads were taken to the Bierley Hill Tip. The total quantity removed for the whole district being therefore, 4958 loads.

The removal of trade refuse has been carried out as heretofore nothing having happened to require note. I think a revision of the charges might advantageously be made.

With regard to domestic refuse, portable dustbins are emptied at periods varying from one week to 10 or 12 days, while stationary dustbins are emptied monthly or thereabouts.

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NEW BUILDINGS.

The number of new houses certified during the year as fit for occupation was four. The sanitary accommodation provided for such houses, being four water closets, and dustbins.

SLAUGHTER HOUSES.

There are 11 Slaughter Houses in the Council's area namely :—

Cleckheaton Ward	...	7
Scholes Ward	...	3
Oakenshaw Ward	...	1

All of which are in order, being kept clean and well supplied with water.

The number of animals slaughtered during the year in the Council's Slaughter House is as follows :—

Beasts	...	...	318
Pigs	...	...	504
Calves	...	...	39
Sheep	...	...	888
			1749

There have been no seizures of bad meat during the year. The Slaughter House is kept clean and is in order.

MILK SUPPLY.

The number of registered Cowkeepers is :—

Cleckheaton Ward	...	8
Scholes Ward	...	14
Oakenshaw Ward	...	8
		30

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There are also 2 Milk Purveyors in the District who sell milk obtained from outside the Council's area and 22 Milksellers who bring milk into the Council's area from outside.

In conjunction with the Medical Officer of Health, I am preparing a report for early submission to the Council on the condition of the Cowsheds in the district.

FACTORY ACTS.

In the Council's area there are 227 places which come under the provisions of the Factory and Workshops' Act, viz. :

125 Factories.
65 Workshops.
18 Workplaces.
19 Bakehouses.

227

All these premises have been visited during the year and are in good order.

Legal proceedings were taken early in the year to stop the use of a cellar bakehouse. The action was successful and the bakehouse has not been used since.

GENERAL STATISTICS.

During the year 52 water closets have been provided, 12 being on new property, 13 additions to existing conveniences, and 27 in substitution for other kinds of conveniences. There have also been provided 14 portable and 11 stationary dust bins.

26 Privy middens have been removed.
13 Covered Ashpits have been removed.
3 Open Ashpits have been removed

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The following table will show the numbers of the various types of conveniences and refuse receptacles in comparison with last year's figures :—

		1912.		1913.
Ordinary Water Closets	...	1140	..	1192
Foot Flush Water Closets	...	20	...	20
Special Tap Closets	...	122	...	122
Waste Water Closets	...	330	...	326
Earth Closets	..	400	...	400
Pail Closets	...	9	...	9
Privies with open Ashpits	...	136	...	131
Privies with covered Ashpits	...	614	...	593
Portable Dustbins	...	564	...	578
Stationary Dustbins...	...	240	...	251
Ashpits (covered)	...	250	...	237
Ashpits (uncovered)	...	56	...	53

All the conveniences erected in 1913 were Water closets of the overhead flush type.

INFECTIOUS DISEASES.

During the year 70 rooms have been fumigated consequent on Infectious Disease.

All the schools have also been fumigated, for which work 48 Sulphur Candles were used.

SANITARY WORK.

During the year we have flushed with water from the Town's Mains 21 manholes, 61 water closets and the Council's Sewers, on 20 occasions 99,100 gallons of water having been used, 18,000 gallons being charged to owners.

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INSPECTOR OF NUISANCES ANNUAL REPORT.

HACKNEY CARRIAGES.

There are 6 Hackney Carriages licensed to ply for hire, also 2 Taxi Cabs. With regard to any of these vehicles I have no complaints to report.

HOUSE TO HOUSE INSPECTION, NUISANCES, &c.

Statutory notices served during the year :—

		Properties affected.
Under Section 91 Public Health Act 1875	15	27
Do. do. 36 do. do.	30	109
Do. do. 41 do. do.	1	2
Do. do. 19 P.H. Amend. Act 1890	1	2
	—	—
	47	140
		—
Less renewals of previous Notices	5	
	—	
	42	
Add Notices uncomplied with brought forward from last Report	11	
	—	
	53	
Complied with	43	
	—	
Uncomplied with to carry forward	10	
	—	

In addition 45 complaints of nuisances were received during the year, 4 of which were not proven, 40 were remedied and one remains to be remedied.

INSPECTOR OF NUISANCE ANNUAL REPORT.

31st
Dec.,
1913

Under the Dairies, Cowsheds and Milkshops

Order	4
Complied with	2
Uncomplied with, to carry forward ...	2

Under Section 15 of the Housing, Town

Planning, &c. Act, 1909	162
Less renewals of previous Notices ...	81
	81

Add Notices partly complied with brought
forward from last year

81

Add Notices uncomplied with brought
forward from last year

74

236

Complied with during year

172

(Partly complied with 29, and uncomplied
with, 35

64

(Houses inspected under Housing Act during year, excluding
re-inspections, 88).

FRIED FISH SHOPS.

The fried fish shops, 13 in number, are being kept clean and good fat is being used. No complaint has been made concerning any one of them during the year. The refuse from these places is being collected three times a week.

Yours faithfully,

ALFRED HOLDROYD,

Inspector of Nuisances.

